

Tex

#101

part 2

SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

Coat/Fur & Skin	
Appears normal	Dull/Dry
Scaly	Scabs
Infection	Shedding
<u>Matted</u>	Tumors
Itchy	Hair Loss
2. Eyes	
<u>Appears Normal</u>	Discharge
Inflamed	Infection
Eyelid Deformities	Ulcer: L R
Cataract: L R	
3. Ears	
<u>Appears Normal</u>	Inflamed: L R
Dirty	Mites
Tumor: L R	Infected
Excessive Hair	Painful
4. Nose	
<u>Appears Normal</u>	Nasal Discharge
Other:	
5. Mouth, Teeth, Gums <u>NE</u>	
Appears Normal	Broken Teeth
Tartar Buildup	Tumors
Overgrown Incisors	Inflamed Lips
Overgrown Molars	Periodontal Disease
Overgrown roots	Abscessed
6. Legs & Paws	
Appears Normal	Joint Problems
Nail Problems	Lameness
Other:	
7. Heart	
Appears Normal	
Slow	Fast
Murmur	Irregular
8. Lungs	
Appears Normal	Coughing
Abnormal Sound	Congestion
Rapid Respiration	Dyspnea
9. Abdomen	
Appears Normal	Abnormal Mass
Enlarged Organs	Tense/Painful
Fluid	Swollen
10. Gastrointestinal System	
Appears Normal	Abnormal Feces
Stasis/ Impaction	Parasites
Anorexia	
11. Urogenital System	
Appears Normal	Abnormal Urination
Mammary Tumors	Genital Discharge
Abnormal Testicles	
12. Weight	
Normal	Obese
Heavy By: _____	Thin By: _____

TESTS NEEDED: Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology	RECOMMENDATIONS: Cage Change: <u>12/28/18</u> Bedding Change: <u>Change Type</u> <u>same</u> Diet Change: Please see handout	Tech Initials: _____ Temp: <u>NE</u> Weight: <u>4.06 kg</u>
Appetite: <u>normal / increased / decreased</u> Water Intake: <u>normal / increased / decreased</u> Coughing: <u>No / Yes, Frequency: _____</u> Sneezing: <u>No / Yes, Frequency: _____</u>	Urination: <u>normal / increased / decreased</u> Attitude: <u>normal / abnormal</u> Feces: <u>normal / abnormal</u>	<u>12/28/18</u>

Presented For: Not eating as well - did not finish feed pellets

Historical Issues/ Medications: Wt. loss, gradual Pododermatitis

Current Diet: timothy hay, alfalfa feed pellets, other grass hay, veg

Examination: WT = 4.06 kg on 12/24/18

⑤ See AHR sheet. Did not finish feed pellets 12/27/18. Not as much feces yesterday as today. Gave water bottle

⑥ BARH. No obvious abnormalities on abdominal palpation. Pododermatitis is mild. Few mats of fur.

⑦ AIP DDX - open. Monitor.

[Redacted] noted that he drank the whole water bottle yesterday. She checked him and it was not working! Moved to cage - ok.
 DX - waterer problem! Continue water bottle x 1 week - Monitor. [Redacted] on this weekend.

Doctor: Janelle Doctor's name, DVM Need: rev In: Monday or pm Days

DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
<u>Open</u>	<u>Open</u>	<u>Dental disease, other systemic dz, open</u>	<u>Monitor</u>

Today's Date: <u>12/28/18</u>	Chart #: <u>101</u>	Species: <u>Rabbit / NZW</u>	DOB: <u>5/7/14</u>
Pet's Name: <u>Tex #101</u>	Last Name: <u>[Redacted]</u>	Color: <u>White</u>	Sex: <u>MT</u>

Rev 1/3/19 - Normal feces + urine, eating well - Resolved not eating
 Still has weight loss Rev 7-8 weeks 12

Tex

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, November 29, 2018 12:54 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie
Subject: RE: Rabbits - Updates from Nov 29, 2018

Hi all,
Rabbit notes from today. Today [REDACTED] and I did rechecks for Dixie, Tex and Leo. Will continue rabbit feet checks next week and then exams on the 3 new rabbits the week after.

Thanks,
Leslie

- Rabbit feet
 - Very good improvement
 - [REDACTED] has done a great job
 - Dixie #106: Feet are clean and have more fur. Fur on tail and legs is not well-groomed, but no issues seen. No scabs on alopecia areas. Alopecia areas are on the points of each heel, and are approximately the diameter of a pencil eraser. Feet much cleaner and no scabs on alopecia means good improvement for Dixie
 - Tex #101: Feet are clean and well-furred. Small alopecia areas at points of heels, smaller than pencil eraser diameter. You have to look for the alopecia areas. Very good improvement with Tex.
 - Leo #102: Feet are well-furred and much cleaner- only slightly dirty. Alopecia areas at the points of heels are very small, around 1- 3 mm diameter, smaller than pencil eraser. You have to actually look for these alopecia areas, which is a good improvement.

From: Jarrell, Leslie
Sent: Thursday, October 25, 2018 12:16 PM
To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]
[REDACTED]

Subject: RE: Rabbits - Updates from Sept 26, 2018

Hi all,
Rabbit notes from our last update! Exams were Sept 26, and rechecks are due again in the next few weeks.

- New rabbits
 - Doing well in rabbit room
 - [REDACTED] has started them in the exercise pens
 - He says they are very active in the pens
- Rabbit feed
 - Completely discontinue all Kaytee brand hay
 - Use only Oxbow hay in the housing room
 - Please, if all hay could be ordered online, that would be best case scenario

- All rabbits should have unlimited grass hay= timothy, orchard grass, meadow grass
- For the exercise room, only use the irradiated hay from Bio-Serv
- New horse barn non-slip mats for exercise room
 - Finally are manageable now that [REDACTED] has washed them
 - And [REDACTED] has cut the mats so they are easier to move as they are very heavy
 - Thanks [REDACTED] for all your work on them!
- Rabbit feet
 - Rechecked Sept 26, due for recheck in next few weeks
 - Overall there was good improvement
 - [REDACTED] has done very well with them
 - Briefly;
 - Dixie #106; dirty feet, some scabs alopecic areas, slightly improved. Would like more improvement with Dixie.
 - Tex #101- dirty feet, improved though because right foot has no scabs, and alopecia area is smaller than pencil eraser. Left hind foot, still some scabs and redness, about size of pencil eraser area of alopecia. Would like more improvement with Tex.
 - Trixie #105 – Improved. Right hind foot- Clean, no scabs, no redness, pencil eraser size of alopecia at point of heel. Left foot, pencil eraser diameter size alopecia, but no scabs and slightly dirty.
 - Leo #102- Right hind foot mildly dirty, very small spot of alopecia, much smaller than pencil eraser size, left hind foot, clean, small area of alopecia at point of heel. Much improved.

Thanks very much,
Leslie

From: Jarrell, Leslie

Sent: Friday, August 31, 2018 2:46 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: RE: Rabbits - Updates Aug 31, 2018

Hi [REDACTED]

Hope all are well! Rabbit notes for today.

- Moving new rabbits to regular room
 - No sniffing or snuffling from the new rabbits
 - On Tues, they will have been here for 5 weeks
 - I've talked with [REDACTED] about moving the new rabbits into the regular room on Tuesday Sept 4
 - Watch for any issues
- New racks
 - Arriving Mon Sept 10
 - Once cleaned and set up, let's try them out ASAP
- Rabbit feed

- Completely discontinue all Kaytee brand hay
 - Use only Oxbow hay in the housing room
 - Oxbow has; timothy, orchard grass, meadow grass, mixtures and alfalfa
 - Please, if all hay could be ordered online, that would be best case scenario
 - For the exercise room, only use the irradiated hay from Bio-Serv
- New rabbits
 - One is still a little jumpy
 - Work on continuing to socialize to handling
 - Do **not** recommend having the new rabbits go into the exercise pen until they are easily picked up and "caught"
 - New rabbits can have 3- 4 handfuls of timothy hay/ day
 - If we got some alfalfa hay from Oxbow, they could have half a handful per day as well. Just a little, and only for the new rabbits
 - New horse barn non-slip mats for exercise room
 - Still smell like rubber
 - Waiting for the smell to dissipate
 - Thanks [REDACTED] for cleaning them!
 - Rabbit feet
 - Rechecked yesterday
 - Overall there was good improvement
 - [REDACTED] has done very well with them
 - Briefly; Dixie #106; dirty feet, red and alopecic areas, but improved from Aug 10. Tex #101- dirty feet, fur isn't very thick, but better than Aug 10 and scabs and alopecia have improved. Trixie #105 – still alopecia but feet are much cleaner and improved

Thanks very much,
Leslie

From: Jarrell, Leslie

Sent: Friday, August 10, 2018 12:17 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: RE: Rabbits - Updates Aug 10, 2018

Hi [REDACTED]

Rabbit foot rechecks from yesterday! Some progress, I'd like to see more progress though.

Briefly; Dixie #106 still #1 to watch for; dirty feet, scabbed, and has gained weight. Tex #101- dirty feet, also left hind leg on the lateral (outside) lower leg and thigh, but scabs slightly improved. Leo #102- better left hind, worse right hind. And Trixie #105 - not scabbed but alopecia bigger than pencil eraser diameter (~ 5 mm). Attached are their exam maps. [REDACTED] will apply topical silvadene to their feet as possible.

Jasper is about the same, and Daisy better, no scabs but still alopecia and gained weight.

The females have gained weight and the males have lost a little weight. I think [REDACTED] ordered more nonslip horse mats for the exercise room. [REDACTED] has been keeping them in there longer.

[REDACTED] noticed that the one brand of hay isn't as long-stem as the other, and falls through the holes so the rabbits can't eat it all. For now they will need quite a bit of hay to make up for the hay that falls through the holes and isn't accessible. When the new hay arrives, they can be switched to that hay instead. [REDACTED] has already ordered more Oxbow hay! Thanks all.

The new rabbits #109, 110, 111 seem to be settling in. They are now getting 2 handfuls of timothy hay per day. When the alfalfa hay comes in, they can each have 1 handful of alfalfa per day in addition to their timothy hay. Same amount of pellets.

Thanks,
Leslie

- Dixie #106
 - Weight 8/10/18= 4.70 kg, 07/19/18= 4.66 kg
 - Moderate Pododermatitis
 - Left hind and right hind - have scabs at point of heel, alopecia and erythema (reddened skin from irritation) and also alopecia and erythema on plantar surface both hind feet
 - Feet – not well furred, fur is dirty but no mats
 - Recheck 2- 4 weeks, increase time in exercise pen
 - Increase timothy hay given
- Tex #101
 - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg
 - Tex has had some weight loss over about 7 months
 - DDX- suspect dental disease
 - We can increase his hay and add alfalfa hay
 - We can't diagnose or address dental disease without radiographs
 - Mild to moderate Pododermatitis
 - LH has alopecia on plantar surface and alopecia area around 4 mm at point of hock
 - RH has scabs at point of hock, around 4 mm diameter area of alopecia
 - Fur is dirty, but not matted
 - Some mats near tail base
 - Dirty fur on lateral (outside) side of left hind foot and leg
 - Recheck about 2- 4 weeks
 - Increase time in exercise pen
 - Increase timothy hay
- Leo #102
 - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg
 - Mild to moderate pododermatitis
 - Left hind foot- no scabs, but pink, and alopecia on point of hock
 - Right hind foot = dirty, no mats, and alopecia increased to 5 mm diameter on point of hock, no scab
- Trixie #105
 - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg
 - Mild pododermatitis
 - Left hind alopecia at point of hock and plantar surface, around 5+ mm diameter
 - Right hind alopecia at plantar surface, and alopecia around 5+ mm diameter at point of hock

- Jasper #104
 - Weight 08/09/18= 386 kg, weight 07/19/18 = 3.98 kg
 - Mild pododermatitis
 - Left hind alopecia about 2 mm diameter on point of hock
 - Right hind alopecia around 3 mm diameter at point of hock
 - Feet well furred
- Daisy #108
 - Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg
 - Mild prododermatitis
 - Feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock
- **Recommendations**
 - All rabbits need 4+ hours in exercise pen, once or twice a week
 - Increase Oxbow timothy hay for all rabbits
 - **Recheck all rabbits' feet in 2-4 weeks**

From: Jarrell, Leslie

Sent: Thursday, July 19, 2018 1:09 PM

To: [REDACTED]

[REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

[REDACTED]

Subject: RE: Rabbits - Updates July 19, 2018

Hi [REDACTED]

Here are the rechecks on the rabbits' feet from today. Dixie and Tex will need the most time in the exercise pen. I've attached their exam map charts so you will know what I'm talking about.

- Dixie #106
 - Weight 4.76 kg, weight 07/19/18= 4.66 kg
 - Pododermatitis, LH and RH have scabs at point of heel, alopecia and erythema (reddened skin from irritation) and also alopecia and erythema on plantar surface both hind feet
 - Feet – not very well furred, fur is mildly dirty but no mats
 - Recheck 2 weeks, increase time in exercise pen
- Tex #101
 - Weight 4.36 kg, weight 07/19/18 = 4.16 kg
 - Tex has had some weight loss over about 7 months
 - DDX- suspect dental disease
 - We can increase his hay and add alfalfa hay
 - We can't diagnose or address dental disease without radiographs
 - Pododermatitis
 - LH has alopecia on plantar surface and alopecia area around 4 mm at point of hock
 - RH has scabs at point of hock, around a 4 mm diameter area of alopecia
 - Fur is not clean, but not matted

- Some mats near tail base
 - Recheck about 2 weeks
 - Increase time in exercise pen
- Leo #102
 - Weight 4.26 kg, weight 07/19/18= 4.22 kg
 - Mild pododermatitis, LH foot- small scabs and alopecia on point of hock, RH foot alopecia around 2-3 mm diameter on point of hock, very small scab
 - Jasper #104
 - Weight 4.2 kg, weight 07/19/18 = 3.98 kg
 - Mild pododermatitis, Left hind LH alopecia about 2 mm diameter on point of hock, RH alopecia around 3 mm diameter at point of hock
 - Feet well furred
 - Trixie #105
 - Weight 5.08 kg, weight 07/19/18= 4.66 kg
 - Mild pododermatitis, LH alopecia at point of hock, RH alopecia at plantar surface, small scab and alopecia around 4 mm diameter at point of hock
 - Daisy #108
 - Weight = 4.28 kg, weight 7/19/18= 4.28 kg
 - Mild prododermatitis, feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock
 - **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet in 2-4 weeks**
 - **Will need to hang a water bottle for each side of the exercise pen**

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Thursday, July 12, 2018 2:05 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: Rabbits - Updates July 2018

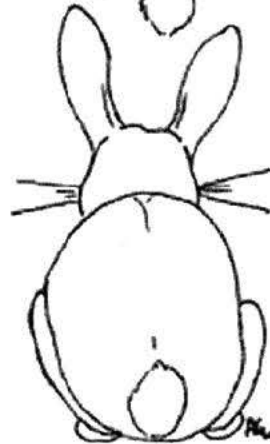
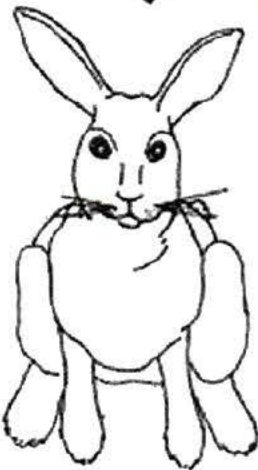
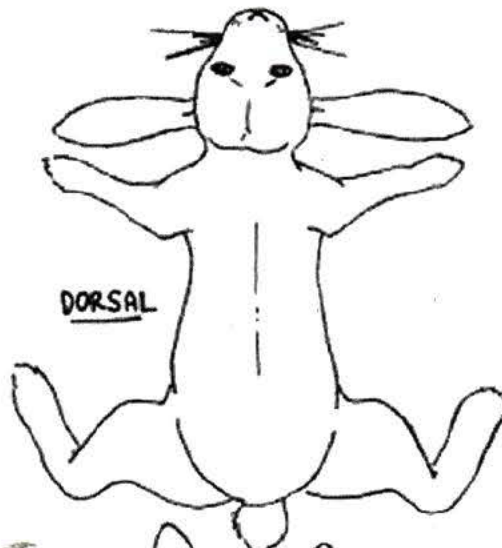
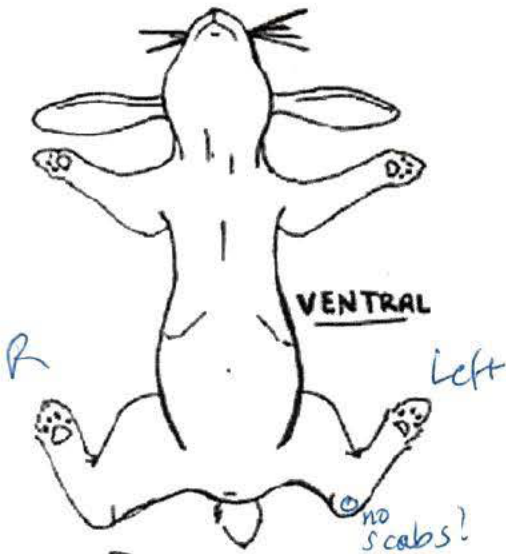
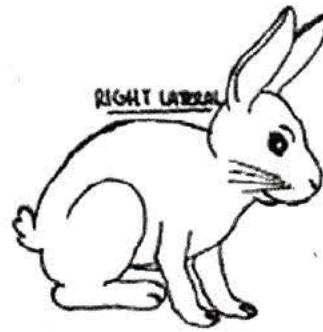
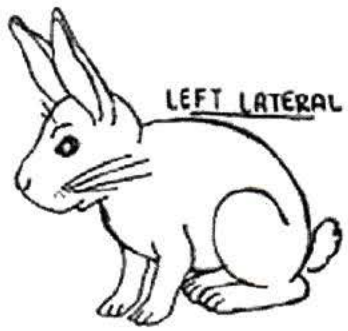
Hi [REDACTED]

Here are the exams on the rabbits;

- Tex #101
 - Weight 4.36 kg
 - Mats tail base, hind legs
 - Mild pododermatitis with small scabs on both hind feet
- Leo #102

- Weight 4.26 kg
- Mild pododermatitis, small scabs only on right hind foot, alopecia only on left hind foot
- Jasper #104
 - Weight 4.2 kg
 - Mats near tail base
 - Feet well furred
 - Very mild pododermatitis, alopecia on both hind feet
- Trixie #105
 - Weight 5.08 kg
 - Feet well furred
 - Mild pododermatitis, small scab and alopecia left hind foot, alopecia only on right hind foot
- Dixie #106
 - Weight 4.76 kg
 - Feet well furred, clean
 - Very mild pododermatitis, alopecia on both hind feet
- Daisy #108
 - Weight = 4.28 kg
 - Hind feet were well-furred, no mats, no alopecia
- **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet next week.**

Thanks,
Leslie



Moral Animal Clinic, Inc. 420 Uluolu Street, Kailua, HI 96734 808-262-9621

Tex 11/29/18 Recheck

feet are clean + well-furred.

Small alopecia < pencil eraser no scabs.

Jarrell, Leslie

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 - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg
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 - Left hind alopecia at point of hock and plantar surface, around 5+ mm diameter
 - Right hind alopecia at plantar surface, and alopecia around 5+ mm diameter at point of hock
 - Jasper #104
 - Weight 08/09/18= 3.86 kg, weight 07/19/18 = 3.98 kg
 - Mild pododermatitis
 - Left hind alopecia about 2 mm diameter on point of hock
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 - Feet well furred
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Sent: Thursday, July 19, 2018 1:09 PM

To: [REDACTED]

Cc: [REDACTED]

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Briefly; Dixie #106 still #1 to watch for; dirty feet, scabbed, and has gained weight. Tex #101- dirty feet, also left hind leg on the lateral (outside) lower leg and thigh, but scabs slightly improved. Leo #102- better left hind, worse right hind. And Trixie #105 - not scabbed but alopecia bigger than pencil eraser diameter (~ 5 mm). Attached are their exam maps. [REDACTED] will apply topical silvadene to their feet as possible.

Jasper is about the same, and Daisy better, no scabs but still alopecia and gained weight.

The females have gained weight and the males have lost a little weight. I think [REDACTED] ordered more nonslip horse mats for the exercise room. [REDACTED] has been keeping them in there longer.

[REDACTED] noticed that the one brand of hay isn't as long-stem as the other, and falls through the holes so the rabbits can't eat it all. For now they will need quite a bit of hay to make up for the hay that falls through the holes and isn't accessible. When the new hay arrives, they can be switched to that hay instead. [REDACTED] has already ordered more Oxbow hay! Thanks all.

The new rabbits #109, 110, 111 seem to be settling in. They are now getting 2 handfuls of timothy hay per day. When the alfalfa hay comes in, they can each have 1 handful of alfalfa per day in addition to their timothy hay. Same amount of pellets.

Thanks,
Leslie

- Dixie #106
 - Weight 8/10/18= 4.70 kg, 07/19/18= 4.66 kg
 - Moderate Pododermatitis
 - Left hind and right hind - have scabs at point of heel, alopecia and erythema (reddened skin from irritation) and also alopecia and erythema on plantar surface both hind feet
 - Feet – not well furred, fur is dirty but no mats
 - Recheck 2- 4 weeks, increase time in exercise pen
 - Increase timothy hay given
- Tex #101
 - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg
 - Tex has had some weight loss over about 7 months
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H

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- Dixie #106
 - Weight 4.76 kg, weight 07/19/18= 4.66 kg
 - Pododermatitis, LH and RH have scabs at point of heel, alopecia and erythema (reddened skin from irritation) and also alopecia and erythema on plantar surface both hind feet
 - Feet – not very well furred, fur is mildly dirty but no mats
 - Recheck 2 weeks, increase time in exercise pen
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 - Weight 4.36 kg, weight 07/19/18 = 4.16 kg
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 - DDX- suspect dental disease
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 - Pododermatitis
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 - RH has scabs at point of hock, around a 4 mm diameter area of alopecia
 - Fur is not clean, but not matted
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 - Recheck about 2 weeks
 - Increase time in exercise pen
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 - Weight 4.26 kg, weight 07/19/18= 4.22 kg
 - Mild pododermatitis, LH foot- small scabs and alopecia on point of hock, RH foot alopecia around 2-3 mm diameter on point of hock, very small scab
- Jasper #104
 - Weight 4.2 kg, weight 07/19/18 = 3.98 kg
 - Mild pododermatitis, Left hind LH alopecia about 2 mm diameter on point of hock, RH alopecia around 3 mm diameter at point of hock
 - Feet well furred
- Trixie #105
 - Weight 5.08 kg, weight 07/19/18= 4.66 kg
 - Mild pododermatitis, LH alopecia at point of hock, RH alopecia at plantar surface, small scab and alopecia around 4 mm diameter at point of hock
- Daisy #108
 - Weight = 4.28 kg, weight 7/19/18= 4.28 kg
 - Mild prododermatitis, feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock
- **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet in 2-4 weeks**
 - **Will need to hang a water bottle for each side of the exercise pen**

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Thursday, July 12, 2018 2:05 PM

To: [REDACTED]

Cc: [REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov> [REDACTED]

Subject: Rabbits - Updates July 2018

Hi [REDACTED]

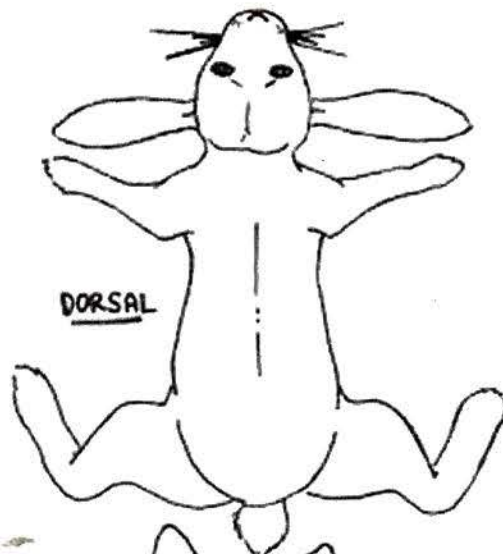
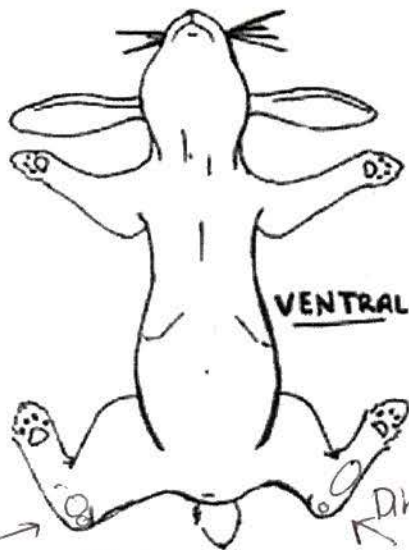
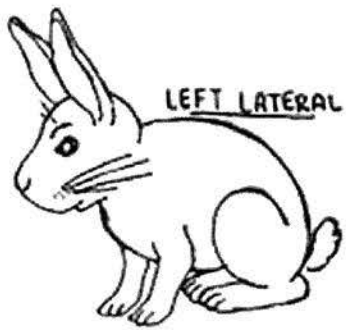
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 - Mats tail base, hind legs
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 - Weight 5.08 kg
 - Feet well furred
 - Mild pododermatitis, small scab and alopecia left hind foot, alopecia only on right hind foot
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 - Weight 4.76 kg
 - Feet well furred, clean
 - Very mild pododermatitis, alopecia on both hind feet
- Daisy #108
 - Weight = 4.28 kg
 - Hind feet were well-furred, no mats, no alopecia
- **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet next week.**

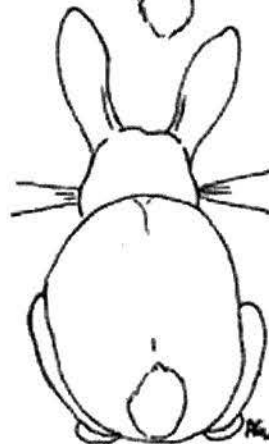
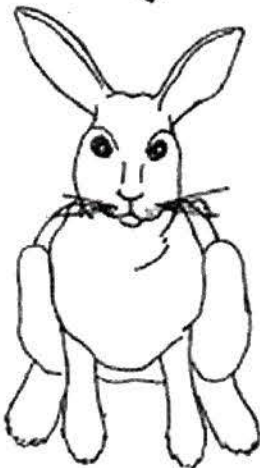
Thanks,
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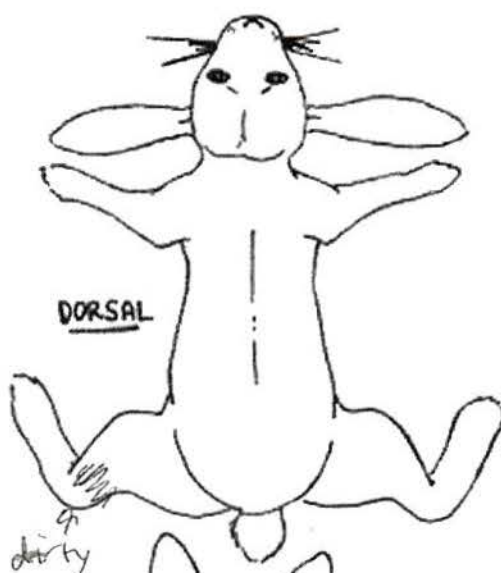
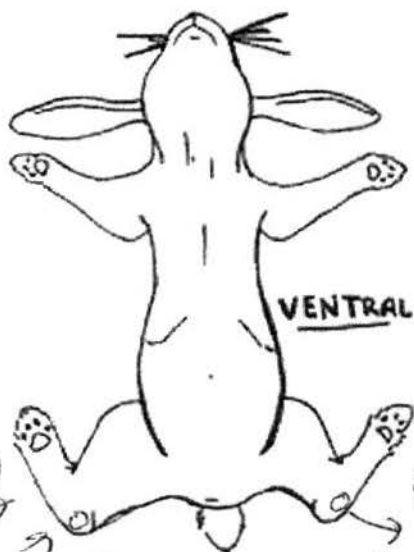
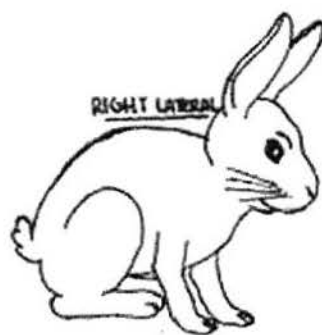
8/30/18

Tex



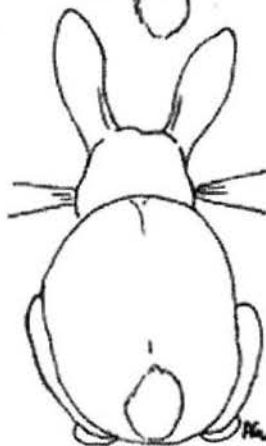
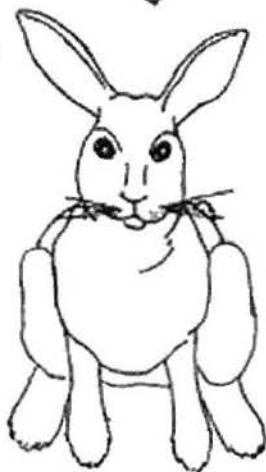
Dirty
alopecia





(P) →
dirty
pencil ear

(LH) →
dirty
pencil
ear



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(3)

Tex 101

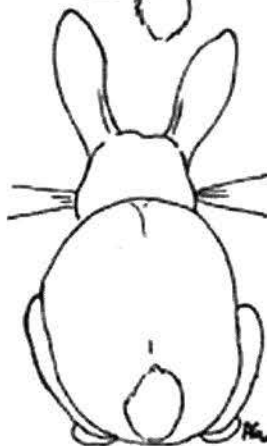
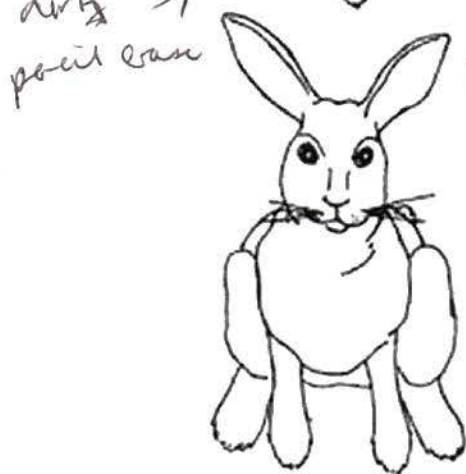
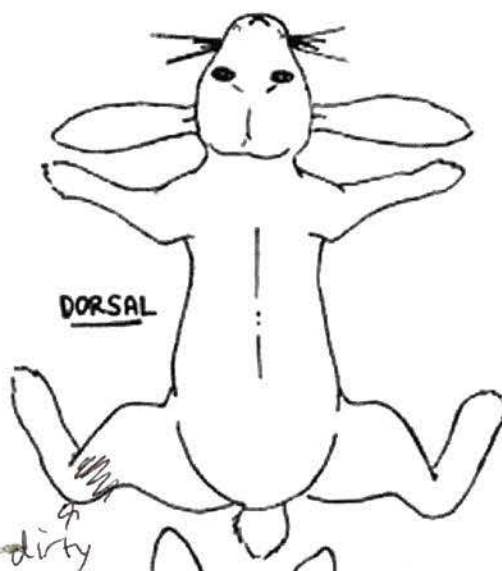
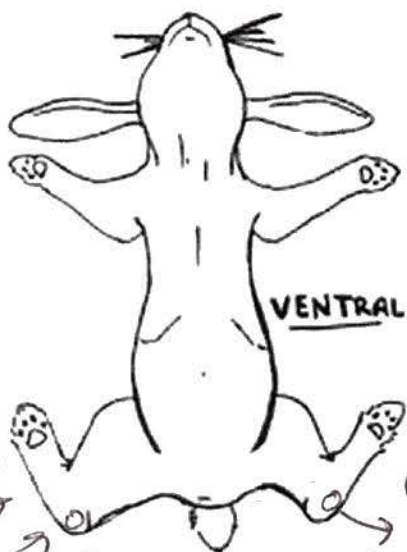
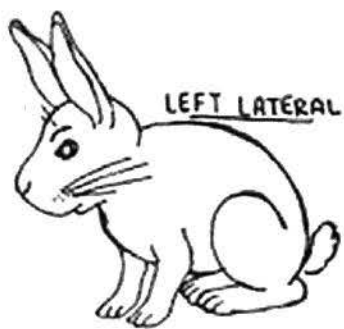
8/19/18

very dirty

WT = 4.10 kg

→ scabs improved. Very dirty. + 60 gm - ok
→ fed 2-4 tabs.

8/10/18
Email to
PI ⊗



Maral Animal Clinic, Inc. 420 Uluhi Street, Kailua, HI 96734 808-262-6621

(3)

Tex 101 8/19/18
very dirty

WT = 4.10 kg

→ scabs improved. Very dirty. ± 60 gm - ok
→ fed 2-4 ules.

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Friday, August 31, 2018 2:46 PM
To: [REDACTED]
Cc: [REDACTED]; Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits - Updates Aug 31, 2018
Follow Up Flag: Follow up
Flag Status: Flagged

Hi [REDACTED]
Hope all are well! Rabbit notes for today.

- Moving new rabbits to regular room
 - No sniffing or snuffling from the new rabbits
 - On Tues, they will have been here for 5 weeks
 - I've talked with [REDACTED] about moving the new rabbits into the regular room on Tuesday Sept 4
 - Watch for any issues
- New racks
 - Arriving Mon Sept 10
 - Once cleaned and set up, let's try them out ASAP
- Rabbit feed
 - Completely discontinue all Kaytee brand hay
 - Use only Oxbow hay in the housing room
 - Oxbow has; timothy, orchard grass, meadow grass, mixtures and alfalfa
 - Please, if all hay could be ordered online, that would be best case scenario
 - For the exercise room, only use the irradiated hay from Bio-Serv
- New rabbits
 - One is still a little jumpy
 - Work on continuing to socialize to handling
 - Do **not** recommend having the new rabbits go into the exercise pen until they are easily picked up and "caught"
 - New rabbits can have 3- 4 handfuls of timothy hay/ day
 - If we got some alfalfa hay from Oxbow, they could have half a handful per day as well. Just a little, and only for the new rabbits
- New horse barn non-slip mats for exercise room
 - Still smell like rubber
 - Waiting for the smell to dissipate
 - Thanks [REDACTED] for cleaning them!
- Rabbit feet
 - Rechecked yesterday
 - Overall there was good improvement
 - [REDACTED] has done very well with them

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Friday, August 10, 2018 12:17 PM
To: [REDACTED]
Cc: [REDACTED]; Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits - Updates Aug 10, 2018
Attachments: Dixie 106 on 080918.pdf; Tex 101 on 080918.pdf; Leo 102 on 080918.pdf; Trixie 105 on 080918.pdf

Hi [REDACTED]
Rabbit foot rechecks from yesterday! Some progress, I'd like to see more progress though.

Briefly; Dixie #106 still #1 to watch for; dirty feet, scabbed, and has gained weight. Tex #101- dirty feet, also left hind leg on the lateral (outside) lower leg and thigh, but scabs slightly improved. Leo #102- better left hind, worse right hind. And Trixie #105 - not scabbed but alopecia bigger than pencil eraser diameter (~ 5 mm). Attached are their exam maps. [REDACTED] will apply topical silvadene to their feet as possible.

Jasper is about the same, and Daisy better, no scabs but still alopecia and gained weight.

The females have gained weight and the males have lost a little weight. I think [REDACTED] ordered more nonslip horse mats for the exercise room. [REDACTED] has been keeping them in there longer.

[REDACTED] noticed that the one brand of hay isn't as long-stem as the other, and falls through the holes so the rabbits can't eat it all. For now they will need quite a bit of hay to make up for the hay that falls through the holes and isn't accessible. When the new hay arrives, they can be switched to that hay instead. [REDACTED] has already ordered more Oxbow hay! Thanks all.

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Leslie

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 - Left hind and right hind - have scabs at point of heel, alopecia and erythema (reddened skin from irritation) and also alopecia and erythema on plantar surface both hind feet
 - Feet – not well furred, fur is dirty but no mats
 - Recheck 2- 4 weeks, increase time in exercise pen
 - Increase timothy hay given
- Tex #101
 - Weight 08/09/18= 4.10 kg, 07/19/18 = 4.16 kg
 - Tex has had some weight loss over about 7 months
 - DDX- suspect dental disease
 - We can increase his hay and add alfalfa hay
 - We can't diagnose or address dental disease without radiographs
 - Mild to moderate Pododermatitis
 - LH has alopecia on plantar surface and alopecia area around 4 mm at point of hock

- RH has scabs at point of hock, around 4 mm diameter area of alopecia
 - Fur is dirty, but not matted
 - Some mats near tail base
 - Dirty fur on lateral (outside) side of left hind foot and leg
 - Recheck about 2- 4 weeks
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- Leo #102
 - Weight 08/09/18= 4.10 kg, weight 07/19/18= 4.22 kg
 - Mild to moderate pododermatitis
 - Left hind foot- no scabs, but pink, and alopecia on point of hock
 - Right hind foot = dirty, no mats, and alopecia increased to 5 mm diameter on point of hock, no scab
 - Trixie #105
 - Weight 08/09/18= 4.90 kg, weight 07/19/18= 4.66 kg
 - Mild pododermatitis
 - Left hind alopecia at point of hock and plantar surface, around 5+ mm diameter
 - Right hind alopecia at plantar surface, and alopecia around 5+ mm diameter at point of hock
 - Jasper #104
 - Weight 08/09/18= 3.86 kg, weight 07/19/18 = 3.98 kg
 - Mild pododermatitis
 - Left hind alopecia about 2 mm diameter on point of hock
 - Right hind alopecia around 3 mm diameter at point of hock
 - Feet well furred
 - Daisy #108
 - Weight 08/09/18= 4.22 kg, weight 7/19/18= 4.28 kg
 - Mild prododermatitis
 - Feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock

• Recommendations

- All rabbits need 4+ hours in exercise pen, once or twice a week
- Increase Oxbow timothy hay for all rabbits
- **Recheck all rabbits' feet in 2-4 weeks**

From: Jarrell, Leslie

Sent: Thursday, July 19, 2018 1:09 PM

To: [REDACTED]

Cc: [REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: RE: Rabbits - Updates July 19, 2018

Hi [REDACTED]

Jarrell, Leslie

From: [REDACTED]
Sent: Thursday, July 19, 2018 2:56 PM
To: Jarrell, Leslie; [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits - Updates July 19, 2018

Thanks for the update..

From: Jarrell, Leslie
Sent: Thursday, July 19, 2018 1:09 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: RE: Rabbits - Updates July 19, 2018

Hi [REDACTED]

Here are the rechecks on the rabbits' feet from today. Dixie and Tex will need the most time in the exercise pen. I've attached their exam map charts so you will know what I'm talking about.

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 - Recheck 2 weeks, increase time in exercise pen
- Tex #101
 - Weight 4.36 kg, weight 07/19/18 = 4.16 kg
 - Tex has had some weight loss over about 7 months
 - DDX- suspect dental disease
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 - Pododermatitis
 - LH has alopecia on plantar surface and alopecia area around 4 mm at point of hock
 - RH has scabs at point of hock, around a 4 mm diameter area of alopecia
 - Fur is not clean, but not matted
 - Some mats near tail base
 - Recheck about 2 weeks
 - Increase time in exercise pen
- Leo #102
 - Weight 4.26 kg, weight 07/19/18= 4.22 kg
 - Mild pododermatitis, LH foot- small scabs and alopecia on point of hock, RH foot alopecia around 2-3 mm diameter on point of hock, very small scab
- Jasper #104

- Weight 4.2 kg, weight 07/19/18 = 3.98 kg
- Mild pododermatitis, Left hind LH alopecia about 2 mm diameter on point of hock, RH alopecia around 3 mm diameter at point of hock
- Feet well furred
- Trixie #105
 - Weight 5.08 kg, weight 07/19/18= 4.66 kg
 - Mild pododermatitis, LH alopecia at point of hock, RH alopecia at plantar surface, small scab and alopecia around 4 mm diameter at point of hock
- Daisy #108
 - Weight = 4.28 kg, weight 7/19/18= 4.28 kg
 - Mild pododermatitis, feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock
- **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet in 2-4 weeks**
 - **Will need to hang a water bottle for each side of the exercise pen**

Thanks,
Leslie

From: Jarrell, Leslie
Sent: Thursday, July 12, 2018 2:05 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov> [REDACTED]

Subject: Rabbits - Updates July 2018

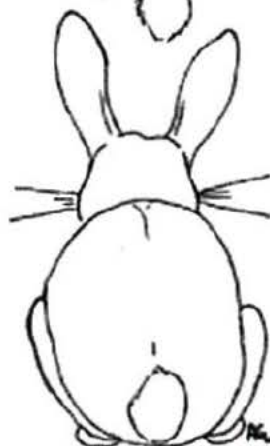
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Thanks,
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Nakal Animal Clinic, Inc. 420 Uxuri Street, Kauai, HI 96734 808-262-6621



#2066

Tex # 101

7/19/18

wt = 4.16 kg

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Friday, August 31, 2018 2:46 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie, [REDACTED]
Subject: RE: Rabbits - Updates Aug 31, 2018
Follow Up Flag: Follow up
Flag Status: Flagged

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 - Feet are clean and well furred, but RH has mild alopecia around 2 mm diameter at point of hock

• Recommendations

- All rabbits need 4+ hours in exercise pen, once or twice a week
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From: Jarrell, Leslie

Sent: Thursday, July 19, 2018 1:09 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>; [REDACTED]

Subject: RE: Rabbits - Updates July 19, 2018

Hi [REDACTED]

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, July 12, 2018 2:05 PM
To: [REDACTED]
Cc: [REDACTED] Graft, Jaimie; [REDACTED]
Subject: Rabbits - Updates July 2018

Hi [REDACTED]

Here are the exams on the rabbits;

- Tex #101
 - Weight 4.36 kg
 - Mats tail base, hind legs
 - Mild pododermatitis with small scabs on both hind feet
- Leo #102
 - Weight 4.26 kg
 - Mild pododermatitis, small scabs only on right hind foot, alopecia only on left hind foot
- Jasper #104
 - Weight 4.2 kg
 - Mats near tail base
 - Feet well furred
 - Very mild pododermatitis, alopecia on both hind feet
- Trixie #105
 - Weight 5.08 kg
 - Feet well furred
 - Mild pododermatitis, small scab and alopecia left hind foot, alopecia only on right hind foot
- Dixie #106
 - Weight 4.76 kg
 - Feet well furred, clean
 - Very mild pododermatitis, alopecia on both hind feet
- Daisy #108
 - Weight = 4.28 kg
 - Hind feet were well-furred, no mats, no alopecia
- **Recommendations**
 - All rabbits need 3-4 hours in exercise pen, once or twice a week
 - Increase hay for all rabbits
 - **Recheck all rabbits' feet next week.**

Thanks,
Leslie

Over
→

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Tuesday, July 10, 2018 12:25 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: Rabbit exams

Hi all,

We finished rabbit exams. I'm still worried about pododermatitis. 5/6 rabbits have some degree of alopecia on their hind feet, and 2 have small amounts of scabbing. I will send individual rabbit exam info in another email.

I think that the racks have helped some, but I think the exercise pen has helped much more. If it would be possible to make a monthly calendar to list out the rabbits' exercise pen schedule, that would be great.

Thanks,
Leslie

Recommendations:

1. Increase time in exercise pen for all rabbits
 - a. Plan 2 rabbits per day in the exercise pen for 3- 4 hours
 - b. Rotate through Mon thru Friday
2. Rotate rabbits into a 2-cage "run"
 - a. The rabbit wouldn't be able to see or touch another rabbit during this limited time
 - b. More space is good for feet and activity
3. Tecniplast racks would be useful to provide opportunities for social housing, even when we have an odd number of rabbits
 - a. Powerpoint attached
4. Recommend rabbits have hay available all the time
 - a. Rotate hay types offered and increase hay quantity
5. Enrichment
 - a. Completely remove old toys, replace with completely new toys, then rotate toys
6. In exercise room, use irradiated hay from Bio-Serv only
 - a. Stuff empty cardboard glove boxes with this hay, or carrots or veg
 - b. Oxbow timothy tunnels/ huts/ mats, only in the caging room

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 - **Recommendations**
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 - Increase hay for all rabbits
 - **Recheck all rabbits' feet next week.**

Thanks,
Leslie

SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin Appears normal Dull/Dry Scaly Scabs Infection Shedding Matted Tumors Itchy Hair Loss		TESTS NEEDED: <input type="checkbox"/> Annual Blood Work <input type="checkbox"/> Urinalysis <input type="checkbox"/> Fecal Examination <input type="checkbox"/> Spay / Neuter <input type="checkbox"/> Microchip <input type="checkbox"/> Skin Scraping <input type="checkbox"/> Fungal Culture <input type="checkbox"/> Ear Cytology		RECOMMENDATIONS: Cage Change: _____ Bedding Change: Change Type Diet Change: Please see handout		Tech Initials: _____ Temp: _____ Weight: _____																	
2. Eyes Appears Normal Discharge Inflamed Infection Eyelid Deformities Ulcer: L R Cataract: L R																							
3. Ears Appears Normal Inflamed: L R Dirty Mites Tumor: L R Infected Excessive Hair Painful																							
4. Nose Appears Normal Nasal Discharge Other: _____																							
5. Mouth, Teeth, Gums Appears Normal Broken Teeth Tartar Buildup Tumors Overgrown Incisors Inflamed Lips Overgrown Molars Periodontal Disease Overgrown roots Abscessed																							
6. Legs & Paws Appears Normal Joint Problems Nail Problems Lameness Other: _____																							
7. Heart Appears Normal Slow Fast Murmur Irregular																							
8. Lungs Appears Normal Coughing Abnormal Sound Congestion Rapid Respiration Dyspnea																							
9. Abdomen Appears Normal Abnormal Mass Enlarged Organs Tense/Painful Fluid Swollen																							
10. Gastrointestinal System Appears Normal Abnormal Feces Stasis/Impaction Parasites Anorexia																							
11. Urogenital System Appears Normal Abnormal Urination Mammary Tumors Genital Discharge Abnormal Testicles																							
12. Weight Normal Obese Heavy By: _____ Thin By: _____																							
Presented For: <u>Brief foot recheck</u>																							
Historical Issues/ Medications: <u>Note weight</u>		<table border="1"> <tr> <td>12/18/17</td> <td>4.58</td> </tr> <tr> <td>01/16/18</td> <td>4.54</td> </tr> <tr> <td>2/20/18</td> <td>4.62</td> </tr> <tr> <td>3/19/18</td> <td>4.52</td> </tr> <tr> <td>4/16/18</td> <td>4.42</td> </tr> <tr> <td>5/14/18</td> <td>4.30</td> </tr> <tr> <td>6/18/18</td> <td>4.30</td> </tr> <tr> <td>7/16/18</td> <td>4.16</td> </tr> </table>						12/18/17	4.58	01/16/18	4.54	2/20/18	4.62	3/19/18	4.52	4/16/18	4.42	5/14/18	4.30	6/18/18	4.30	7/16/18	4.16
12/18/17	4.58																						
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Current Diet: <u>* Hay has increased</u> <u>* But ↑ wt loss → concern</u>																							
Examination: <u>re dentition.</u> <u>+ pododermatitis</u>																							
<u>7/19/18</u> Brief recheck of feet <u>RH has scabs at point of hock ~</u> <u>4 mm diameter + alopecia. Scabs on</u> <u>plantar surface of RH as well. LH has</u> <u>alopecia on plantar surface + alopecia</u> <u>area ~ 4mm diameter at point of hock.</u> <u>Also foot hair is not clean but</u> <u>not matted. Mats on fur though. mild</u> <u>Red 2 weeks. 4 fine in exercise pen</u> <u>L. Daniel DVM</u>																							
<u>8/9/18</u> Recheck feet. wt = 4.10 kg & 60 gm - OK <u>RH - dirty, pedal erosion alopecia</u> <u>LH - dirty. pedal erosion " - no scabs</u> <u>Scabs improved. very dirty. Red 2-4 weeks</u> <u>LD</u>																							
Doctor: Doctor's name, DVM		Need: _____		In: _____		Days																	
DIAGNOSIS OR PROBLEMS <u>pododermatitis mild</u> <u>+ moderate +</u> <u>weight loss</u>		PROGNOSIS <u>monitor</u>		DIFFERENTIAL DIAGNOSIS <u>Stental disease</u> <u>suspected</u>		PLAN <u>monitor</u>																	
Today's Date: <u>5/24/18</u>		Chart #: <u>101</u>		Species/ Breed: <u>Rabbit NZW</u>		DOB: <u>5/7/14</u>																	
Pet's Name: <u>Tex</u>		Last Name: _____		Color: <u>white</u>		Sex: <u>MF</u>																	

SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin Appears normal Dull/Dry Sealy Scabs Infection Shedding Matted Tumors Itchy Hair Loss	TESTS NEEDED: Annual Blood Work Urinalysis Fecal Examination Spay / Neuter Microchip Skin Scraping Fungal Culture Ear Cytology	RECOMMENDATIONS: Cage Change: Bedding Change: Change Type Diet Change: Please see handout	Tech Initials: Temp: Weight: 4.36 kg
2. Eyes Appears Normal Inflamed Eyelid Deformities Cataract: L R	Discharge Infection Ulcer: L R	Appetite: normal / increased / decreased Water Intake: normal / increased / decreased Coughing: No / Yes, Frequency: Sneezing: No / Yes, Frequency:	
3. Ears Appears Normal Dirty Tumor: L R Excessive Hair	Inflamed: L R Mites Infected Painful	Urination: normal / increased / decreased Attitude: normal / abnormal Feces: normal / abnormal	
4. Nose Appears Normal Other:	Nasal Discharge	Presented For: Annual exam	
5. Mouth, Teeth, Gums Appears Normal Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots	Broken Teeth Tumors Inflamed Lips Periodontal Disease Abscessed	Historical Issues/ Medications: none	
6. Legs & Paws Appears Normal Nail Problems Other:	Joint Problems Lameness	Current Diet: Purina LabDiet H-Fiber pellets, limited and + loose Oxbow timothy or orchard grass hay Fresh veg + irradiated timothy hay	
7. Heart Appears Normal Slow Murmur	220 Fast Irregular	Examination: BAR H. Good temperament EEN clean, MM pi + moist CRT NE, LN mil HR 220, no murmurs or arrhythmias ausculted RR sniff, lungs clear, no crackles or wheezes Abd- soft, non-painful, no masses palpated Mats! Also, pododermatitis	
8. Lungs Appears Normal Abnormal Sound Rapid Respiration	sniff Coughing Congestion Dyspnea	few mats; tail base; sides hind legs	
9. Abdomen Appears Normal Enlarged Organs Fluid	Abnormal Mass Tense/Painful Swollen	LH RH Scab pen eras	
10. Gastrointestinal System Appears Normal Stasis/ Impaction Anorexia	Abnormal Feces Parasites	RH scabs pen eras	
11. Urogenital System Appears Normal Mammary Tumors Abnormal Testicles	Abnormal Urination Genital Discharge	Feet are turned well + mainly clean fur	
12. Weight Normal Heavy By: Thin By:	4.36 kg Obese Thin By:	Appears healthy - except pododermatitis 4 time in exercise pen.	
Doctor: Dr. Janelle, DVM Need: Rev 6 - Snacks - fees In: Days		Doctor's name, DVM	
DIAGNOSIS OR PROBLEMS pododermatitis, mild	PROGNOSIS good - fair	DIFFERENTIAL DIAGNOSIS -	PLAN 4 time in exercise pen
Today's Date: 5/24/18 Pet's Name: Tex	Chart #: 101 Last Name:	Species/Breed: Rabbit / N zw Color: white	DOB: 5/7/14 Sex: MI

Tex

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, February 01, 2018 4:02 PM
To: [REDACTED]
Cc: [REDACTED]; Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Feb 1

Hi [REDACTED]

Rechecks:

- Oopsie
 - Right hind foot – Fur was very good this week, actually fluffy
 - Still mild alopecia at the point of the heel
 - Recheck 2- 4 weeks

Diet updates:

- Rabbits are continuing on timothy hay or bermudagrass hay daily
- Rabbit pellets continuing the same as usual
- Other rabbits may get a little alfalfa hay as a treat, in addition to other hay, once in a while

Exercise pen update:

- [REDACTED] is planning to change the pen a little, we will see how the panels work
- Digging box- still looking for one. Think I have an idea on how to make one.
- I put together a small cardboard burn box on its side, and Daisy went right in!

Thanks,
Leslie

Tex

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Tuesday, January 16, 2018 10:50 AM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Jan 11

Hi [REDACTED]
Rechecks:

- Oopsie
 - Right hind foot – Fur was very good this week, actually fluffy
 - Still mild alopecia at the point of the heel
 - Recheck 2- 4 weeks
 - It would be good to have him stay longer times, or more often, in the exercise pen

Diet updates:

- Rabbits are continuing on timothy hay or bermudagrass hay daily
- Rabbit pellets continuing the same as usual
- Thumper only is on alfalfa hay, in addition to timothy hay
 - Has gained a little weight! Seems to be due to the alfalfa, as nothing else has changed
 - Will try Cosequin on a piece of lettuce first instead
 - He already likes lettuce
 - [REDACTED] thinks Thumper will eat the entire leaf
 - We will mix the Cosequin powder with water, into a paste, and put it on the lettuce.
- Other rabbits may get a little alfalfa hay as a treat, in addition to other hay, once in a while

Exercise pen update:

- [REDACTED] is planning to split the pen in 2 sections with an additional fence section that is downstairs, so the rabbits could be in the pen at the same time without issues
- Digging box- still pending
 - Find some “clean” cardboard to make a “digging box”
 - Fill with envirodri for digging
- [REDACTED] got some small, new, cardboard burn boxes to put together as climbing and hiding objects for the pen!

Thanks,
Leslie

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Tuesday, January 09, 2018 4:37 PM
To: [REDACTED]
Cc: [REDACTED]; Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Dec 28

Hi [REDACTED]
Rechecks:

- Oopsie
 - Right hind foot – Fur was very good this week, actually fluffy.
 - Oopsie still has mild alopecia at the point of the heel
 - Recheck 2- 4 weeks
 - It would be good to have him stay longer times, or more often, in the exercise pen.
- Daisy
 - Right hind foot- small alopecia area at point of right hock
 - Well furred and clean feet

Diet updates:

- Rabbits are continuing on timothy hay or bermudagrass hay daily
- Rabbit pellets continuing the same as usual
- Thumper only is on alfalfa hay, in addition to timothy hay, on a set schedule
 - To increase calories and fat intake
 - I am still planning for this. I'm going to get some small paper plates to feed him critical care rabbit feed. It is like a slurry of hay with licorice flavor. If he likes it, I'll start the Cosequin in it. If not, I'll try carrot baby food.
- Other rabbits may get a little alfalfa hay as a treat, in addition to other hay, once in a while

Exercise pen update:

- [REDACTED] is planning to split the pen in 2 sections with an additional fence section that is downstairs, so the rabbits could be in the pen at the same time without issues
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 - Find some "clean" cardboard to make a "digging box"
 - Fill with envirodri for digging
- [REDACTED] got some small, new, cardboard burn boxes to put together as climbing and hiding objects for the pen!

Thanks,
Leslie

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, December 14, 2017 12:21 PM
To: [REDACTED]
Cc: [REDACTED]; Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Dec 14

Tex

Hi [REDACTED]
Rechecks:

- Oopsie
 - Right hind foot – Fur was even cleaner this week, than at last check! Fur was fluffy and white to tan.
 - [REDACTED] was able to get 1 very small small mat off the right hind foot
 - Oopsie still has mild alopecia at the point of the heel
 - Recheck 2- 4 weeks
 - It would be good to have him stay longer times, or more often, in the exercise pen.
- Daisy
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 - To increase calories and fat intake
 - I will make up some critical care rabbit feed to see if he will eat it. It is like a slurry of hay with licorice flavor, intended for rabbits that need to be syringe fed. If he likes it, I'll start the Cosequin in it. If not, I'll try carrot baby food.
- Other rabbits may get a little alfalfa hay as a treat, in addition to other hay, once in a while

Exercise pen update:

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- Digging box- still pending
 - Find some "clean" cardboard to make a "digging box"
 - Fill with envirodri for digging
- [REDACTED] got some small, new, cardboard burn boxes to put together as climbing and hiding objects for the pen!

Thanks,
Leslie

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, December 14, 2017 12:21 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Dec 14

Tex

Hi [REDACTED]
Rechecks;

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 - Right hind foot – Fur was even cleaner this week, than at last check! Fur was fluffy and white to tan.
 - [REDACTED] was able to get 1 very small small mat off the right hind foot
 - Oopsie still has mild alopecia at the point of the heel
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 - Find some "clean" cardboard to make a "digging box"
 - Fill with envirodri for digging
- [REDACTED] got some small, new, cardboard burn boxes to put together as climbing and hiding objects for the pen!

Thanks,
Leslie

Tex

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, December 07, 2017 4:32 PM
To: [REDACTED]
Subject: RE: Rabbits
Attachments: Rabbit hay schedule.docx

Thanks! I'll pop by tomorrow.

And I made a new easier schedule! Well I think it is a little easier?

It basically slowly increases alfalfa hay during M-F only. No weekends or holidays. Then mid-January, start adding a little alfalfa over weekends depending on how it goes.

And all rabbits should get 3 big handfuls of timothy every day.

Thanks,
Leslie

-----Original Message-----

From: [REDACTED]
Sent: Thursday, December 07, 2017 12:45 PM
To: [REDACTED] Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Subject: RE: Rabbits

(Leslie) I ran off several copies from your feeding proposal and gave them to him. I don't think he wants another schedule he just has a couple of questions regarding what he already has. I told him to get with you the next time he sees you to clarify.

From: [REDACTED]
Sent: Thursday, December 7, 2017 12:39 PM
To: Jarrell, Leslie
Cc: [REDACTED]
Subject: Rabbits

Hi Leslie,

[REDACTED] would like to know if you could please create a feeding schedule for the rabbits. He's aware of the new regimen, but want to make sure he is following the right plan.

Thanks.

Rabbit Hay Schedule 12/07/17

Thumper

- 3 handfuls timothy or Bermuda grass daily
- Add in Alfalfa hay;
 - Monday 12/11/17- Fri 12/15/17. Half handful of alfalfa hay per day
 - Monday 12/18/17- Fri 12/22/17. 1 handful of alfalfa hay per day
 - Tues 12/26/17- Fri 12/29/17. 1 handful of alfalfa hay per day
 - Tues 01/02/18- Fri 01/05/18. 2 handful of alfalfa hay per day
 - Mon 01/08/18- Fri 01/12/18. 2 handfuls of alfalfa hay per day
 - Sat 1/13/18; Start 1 handful alfalfa hay per day on weekends

 - Continue weekdays- 2 handful alfalfa hay
 - Weekends- only 1 handful alfalfa hay

For all other rabbits-

3 handfuls regular hay daily

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Monday, December 04, 2017 10:33 AM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbits- Updates from Nov 27

Tex

Hi [REDACTED]

Rechecks;

- Oopsie
 - Right hind foot – Fur was much cleaner this week, still has alopecia at the point of the heel
 - Recheck 2- 4 weeks
 - It would be good to have him stay longer times, or more often, in the exercise pen.

Exercise pen update:

- [REDACTED] had a good idea to split the pen in 2 sections so the rabbits could be in the pen at the same time without issues
- Digging box- still pending
 - Find some “clean” cardboard to make a “digging box”
 - Fill with envirodri for digging
- [REDACTED] got some small, new, cardboard burn boxes to put together as climbing and hiding objects for the pen

Thanks,
Leslie

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Monday, November 13, 2017 5:17 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]

Tex

Subject: Rabbits- Updates from Nov 13

Follow Up Flag: Follow up
Flag Status: Completed

Hi [REDACTED]

Rechecks;

- Oopsie
 - Right hind foot – Still has dirty fur on same spot, no ulceration at that spot, and a ~5 mm diameter scab area at the point of the heel
 - [REDACTED] was able to get some of the fur brushed out
 - Recheck ~1.5- 2 weeks
 - It may be good to have him stay longer in the exercise pen.
- Daisy
 - Both hind feet were well-furred
 - Scabs and scratches on both sides of her neck behind her ears
 - Have healed
 - Considering keeping them separated due to the aggression
 - Recheck feet ~1 month

Exercise pen update;

- All rabbits will now be in the exercise pen alone
- Digging box- pending
 - Find some “clean” cardboard to make a “digging box”
 - Fill with envirodri for digging
- Looking for a bunch of large, clean (haven’t gone through mail) cardboard boxes for hiding/ chewing inside pen

Thanks,
Leslie

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Friday, October 27, 2017 1:43 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: Rabbits- Updates from Oct 26-27

Hi [REDACTED]
Rechecks;

- Oopsie
 - Much improved
 - Right hind foot - Mainly seems to be dirty fur now, no obvious mat
 - [REDACTED] was able to get some of the fur brushed out
 - No scabs on either hind feet! Only alopecia. This is a significant improvement.
 - Recheck 2 weeks
- Daisy
 - Did not recheck feet
 - Scabs and scratches on both sides of her neck behind her ears
 - Healing up very well
 - Separated into their own sides of the double wide cage
 - Will watch and hope that we can re-house them together again after Daisy heals up
 - Recheck 2 weeks
- Leo and Tex
 - Minor scuffle in exercise pen, no obvious injuries
 - Will now go in the pen alone

Exercise pen update;

[REDACTED] reported that the rabbits are doing well in the pen.

- All rabbits will now be in the exercise pen alone, and not co-housed
- Digging box- pending
 - Find some "clean" cardboard to make a "digging box"
 - Fill with envirodri for digging
- Looking for a bunch of large, clean (haven't gone through mail) cardboard boxes for hiding/ chewing inside pen

Thanks,
Leslie

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Thursday, October 19, 2017 3:08 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbit feet - Updates from Oct 19

Hi [REDACTED]

Rechecks:

- Oopsie
 - Much improved
 - Right hind foot mat- [REDACTED] was able to get most of it out!
 - Left hind foot - only has one point of hock area with small scab/ alopecia
 - Recheck next week
- Daisy
 - Hind feet were well-furred, but dirty, no mats, small areas of alopecia at the point of hock
 - Scabs and scratches on both sides of her neck behind her ears
 - Looked like bites, thinking Trixie has bitten her
 - Separated into their own sides of the double wide cage
 - Will watch and hope that we can re-house them together again after Daisy heals up
 - Recheck next week

Exercise pen update:

[REDACTED] reported that the rabbits are doing well.

- He noted that they sleep once they get back to their home cage!
- Am thinking of using a litter pan tray (the ones currently under the rabbits) as a litter box, with some rabbit pelleted food and hay in it
- Digging box- pending
 - Find some "clean" cardboard to make a "digging box"
 - Fill with envirodri for digging
- We are looking at putting some of the brown cardboard paper liners in the hay box
- Litter box- pending
- Looking for a bunch of large, clean (haven't gone through mail) cardboard boxes for hiding/ chewing inside pen

Thanks,
Leslie

From: Jarrell, Leslie
Sent: Thursday, October 12, 2017 11:06 AM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie
<Graff.Jaimie@epa.gov>
<[REDACTED]>
Subject: RE: Rabbit feet - Updates from Oct 12

Hi [REDACTED]

We rechecked Oopsie today. Daisy will be next week, as she just had a bath.

Oopsie: Did great with recheck. He is very personable. His right hind foot mat was much improved from last week. [REDACTED] and I were able to brush out the mat further. [REDACTED] was able to remove a large piece of the mat without trimming any good clean fur. We will keep working at it. We will continue topical silvadene as possible during the week. Oopsie's time in the exercise pen will be increased slightly as well.

Rechecks:

We will recheck Daisy and Oopsie again next week. If Oopsie continues to improve, I will not plan to anesthetize him. I'd like to avoid that if possible.

Exercise pen update:

[REDACTED] reported that the rabbits are doing well in the pen.

- He noted that they are more active back in their cages for some time even after their exercise day.
- I sat with Trixie and Daisy during part of their time in the pen. Trixie did a few leaps in the air while going around the pen- that was good to see.
- The rabbits are digging in the corners.
 - [REDACTED] is going to look at getting a few disposable cardboard cat litter boxes, in case the rabbits may want to use them as a litter box
 - Also may try to find some "clean" cardboard to make a "digging box" as additional enrichment
 - Doesn't look very difficult and some envirodri would work great to fill it



- <http://bunnyproof.com/how-to/how-to-make-a-digging-box-for-your-rabbit>

- The hay box did not look too slippery to me, but Oopsie did not like it!
 - We are looking at putting some of the brown cardboard paper liners in the hay box and see if that is more to his liking.

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Friday, October 06, 2017 2:42 PM

To: [REDACTED]

Cc: [REDACTED]

<Graff.Jaimie@epa.gov>

Graff, Jaimie

[REDACTED]
Subject: RE: Rabbit feet - Updates from Oct 5

Hi [REDACTED]

We rechecked 2 of the rabbits. Wanted to give them a little time in the exercise pen before we rechecked. We will check Daisy next week.

Oopsie; Did great with recheck. His right hind foot mat and the scab looks a little more extensive than last time. We were able to brush out the mat a little. He continued to clean it once back in his cage. We will keep working at it. We started topical silvadene, just during the week.

Thumper; He is a good rabbit. He has mild, linear alopecia on both hind feet, and the remaining scabs at the point of the hock are pinpoint, so much improved.

We will recheck Daisy next week. We will recheck Oopsie next Wed or Thurs. Depending on how his foot looks, I may want to anesthetize him and really clean the mat out possibly. Will let you know how he looks next week, and plan out if we need to anesthetize him.

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Thursday, September 07, 2017 2:25 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie
<Graff.Jaimie@epa.gov>; [REDACTED]

Subject: Rabbit feet - updates from Sept 7

Hi [REDACTED]

[REDACTED] and I rechecked the rabbits today. I brushed out Oopsie's foot a little. He was not thrilled about it, but did OK. He still has a mat on his right hind foot, it is about the same. The small scab on the point of the hock appears unchanged.

Daisy has a mat again, this time on her left hind foot on the ventral surface. Also, she has a small scab on the point of the hock. She has some alopecia on her right hind foot. She did pretty well with the exam but I did not attempt to brush her.

And Thumper. He is a good rabbit. He has linear alopecia on both hind feet, and also some scabs as well.

We will recheck everyone in about 2 weeks. Hopefully will get the floor pen up soon as well.

Thanks,
Leslie

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Thursday, October 12, 2017 11:04 AM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie; [REDACTED]
Subject: RE: Rabbit feet - Updates from Oct 12

Hi [REDACTED]
We rechecked Oopsie today. Daisy will be next week, as she just had a bath.

Oopsie; Did great with recheck. He is very personable. His right hind foot mat was much improved from last week. [REDACTED] and I were able to brush out the mat further. [REDACTED] was able to remove a large piece of the mat without trimming any good clean fur. We will keep working at it. We will continue topical silvadene as possible during the week. Oopsie's time in the exercise pen will be increased slightly as well.

Rechecks;

We will recheck Daisy and Oopsie again next week. If Oopsie continues to improve, I will not plan to anesthetize him. I'd like to avoid that if possible.

Exercise pen update;

[REDACTED] reported that the rabbits are doing well in the pen.

- He noted that they are more active back in their cages for some time even after their exercise day.
- I sat with Trixie and Daisy during part of their time in the pen. Trixie did a few leaps in the air while going around the pen- that was good to see.
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[http://bunnyproof.com/how-to/how-to-](http://bunnyproof.com/how-to/how-to-make-a-digging-box-for-your-rabbit)

- make-a-digging-box-for-your-rabbit
- The hay box did not look too slippery to me, but Oopsie did not like it!
 - We are looking at putting some of the brown cardboard paper liners in the hay box and see if that is more to his liking.

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Friday, October 06, 2017 2:42 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie

<Graff.Jaimie@epa.gov**>**;

Subject: RE: Rabbit feet - Updates from Oct 5

Hi [REDACTED]

We rechecked 2 of the rabbits. Wanted to give them a little time in the exercise pen before we rechecked. We will check Daisy next week.

Oopsie; Did great with recheck. His right hind foot mat and the scab looks a little more extensive than last time. We were able to brush out the mat a little. He continued to clean it once back in his cage. We will keep working at it. We started topical silvadene, just during the week.

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We will recheck Daisy next week. We will recheck Oopsie next Wed or Thurs. Depending on how his foot looks, I may want to anesthetize him and really clean the mat out possibly. Will let you know how he looks next week, and plan out if we need to anesthetize him.

Thanks,
Leslie

From: Jarrell, Leslie

Sent: Thursday, September 07, 2017 2:25 PM

To: [REDACTED]

Cc: [REDACTED] Graff, Jaimie

<Graff.Jaimie@epa.gov**>**;

Subject: Rabbit feet - updates from Sept 7

Hi [REDACTED]

[REDACTED] and I rechecked the rabbits today. I brushed out Oopsie's foot a little. He was not thrilled about it, but did OK. He still has a mat on his right hind foot, it is about the same. The small scab on the point of the hock appears unchanged.

Daisy has a mat again, this time on her left hind foot on the ventral surface. Also, she has a small scab on the point of the hock. She has some alopecia on her right hind foot. She did pretty well with the exam but I did not attempt to brush her.

And Thumper. He is a good rabbit. He has linear alopecia on both hind feet, and also some scabs as well.

We will recheck everyone in about 2 weeks. Hopefully will get the floor pen up soon as well.

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Wednesday, June 14, 2017 10:50 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Rabbit Toys

Thanks. My goal is that rabbits always have hay in with them. Even if they don't eat it all. We will start slow to get there.

Thanks.

From: [REDACTED]
Sent: Wednesday, June 14, 2017 10:49 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Cc: [REDACTED]
Subject: RE: Rabbit Toys

Ok, thanks. He wanted to check in with you before he starts. I will let him know.

From: Jarrell, Leslie
Sent: Wednesday, June 14, 2017 10:47 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Rabbit Toys

- If the new toys are washable, then washing would be good
- New hay
 - Per rabbit;
 - Mon June 19- Sun June 25
 - Give 1 handful new hay and 1 handful old hay in morning
 - Don't take any out
 - Mon June 26 – Sun July 2
 - Give 2 handfuls new hay and 1 handful old hay in morning
 - Don't take any out
 - Mon July 3- Sun July 9
 - Give 3 handfuls new hay in morning
 - Don't take any out

Thanks,
Leslie

From: [REDACTED]
Sent: Wednesday, June 14, 2017 9:39 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Cc: [REDACTED]
Subject: Rabbit Toys

Leslie,

■ would like to know the plan for the new rabbit toys and hay. He was thinking maybe we could start on Monday, so he'll be able to monitor their progress all week long. Also, does he need to wash the toys?

Thanks.

From: Jarrell, Leslie
Sent: Wednesday, May 24, 2017 10:52 AM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie;
Subject: Oopsie the rabbit and overall rabbit exams

Hi [REDACTED]

We finished our rabbit exams today. Only a few concerns. One is Oopsie. He has some matted fur on both of his hind feet. He has a few other mats as well, but the feet make me the most worried. I will send more emails specifically on each rabbit in addition to this one.

My recommendation is to anesthetize Oopsie tomorrow early afternoon with [REDACTED] and try to clean and brush out the mats on his feet. If I can't brush them out, I will have to clip the matted fur off. I absolutely would hate to do that. That is the only protection for his feet. However they are dirty and matted, and in that condition they are nearly as bad as having very thin fur.

Oopsie is a young rabbit. It is alarming that he is not grooming his feet properly. This can be due to obesity (he's not, in my opinion), or lack of exercise, or due to flooring, or a combination. I personally think that the racks are good, but clearly still he has issues.

To address this issue, I'd like to discuss these options with [REDACTED] when he is back, and [REDACTED] as well. Some options;

- Keep Oopsie in the exercise pen for a day or more at a time
 - This would be if he doesn't escape or hurt himself while in the pen
 - And if he could have some sort of cover on the non-slip floor, so he doesn't eat the floor mats
 - I'd recommend a giant piece of thick fleece to cover the floor mat, if he doesn't eat the fleece
- Rotate Oopsie into a 2-cage "run" in the rack
 - He wouldn't be able to see or touch another rabbit during this time
 - But we could do a few days alone in a 2 cage "run", then back to half a run with social contact
 - We could do this with all the rabbits, so they'd rotate through a larger cage once a month or so, good for exercise theoretically
- Train all rabbits to use litter boxes (plastic or cardboard, filled with hay, cat litter boxes)
 - In this way, we could cover some of the flooring with a solid floor of some kind
 - Possibly a foam mat with fleece covering
 - This would probably be a good idea no matter what
- Keep Oopsie continually on a thick layer of hay in his cage, over the regular flooring
 - Problems with this; we would need to clean the hay frequently if he is not using a litter box
 - Otherwise he will stay dirty

Other issues;

- Both Trixie and Daisy are obese, and are continually gaining weight
 - I'd recommend to decrease their pellets and increase their hay
 - Would recommend that they have hay available all the time
- Rotate hay types offered and increase hay quality and quantity for all rabbits
 - Would recommend they have hay available all the time
- Rotate all toys
- Offer new toys
 - Discussed with [REDACTED] - stuffing empty cardboard glove boxes with hay, or carrots
 - Also paper towel rolls stuffed with hay

- Maybe rat tunnels or tubes, they can throw them around
- Stuff the Kongs with hay
- Oxbow timothy tunnels/ huts/ mats etc
 - They can't get into the tunnels but can throw them around
 - And they are 100% edible made of timothy hay

Please let me know your thoughts?

Thanks very much,

Leslie

SMALL MAMMALS PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin <input checked="" type="checkbox"/> Appears Normal Dull/Dry Scaly Infection Matted Itchy Shedding Tumors Hair Loss	TESTS NEEDED: <input type="checkbox"/> Annual Blood Work <input type="checkbox"/> Urinalysis <input type="checkbox"/> Fecal Examination <input type="checkbox"/> Spay / Neuter <input type="checkbox"/> Microchip <input type="checkbox"/> Skin Scraping <input type="checkbox"/> Fungal Culture <input type="checkbox"/> Ear Cytology	RECOMMENDATIONS: <u>HA</u> Cage Change: <u>weekly</u> Bedding Change: <u>Change Type</u> <u>N/A</u> Diet Change: Please see handout	Tech Initials: _____ Temp: <u>Not</u> Weight: <u>4.68</u> <u>5/24/17</u>								
2. Eyes <input checked="" type="checkbox"/> Appears Normal Inflamed Eyelid Deformities Cataract: L R Discharge Infection Ulcer: L R	Appetite: <input checked="" type="checkbox"/> normal / increased / decreased Water Intake: <input checked="" type="checkbox"/> normal / increased / decreased Coughing: <input checked="" type="checkbox"/> No / Yes, Frequency: _____ Sneezing: <input checked="" type="checkbox"/> No / Yes, Frequency: _____										
3. Ears <input checked="" type="checkbox"/> Appears Normal Dirty Tumor: L R Excessive Hair Inflamed: L R Mites Infected Painful	Urination: <input checked="" type="checkbox"/> normal / increased / decreased Attitude: <input checked="" type="checkbox"/> normal / abnormal Feces: <input checked="" type="checkbox"/> normal / abnormal										
4. Nose <input checked="" type="checkbox"/> Appears Normal Other: _____ Nasal Discharge	Presented For: <u>Annual exam</u>										
5. Mouth, Teeth, Gums <u>NE</u> Appears Normal Tartar Buildup Overgrown Incisors Overgrown Molars Overgrown roots Broken Teeth Tumors Inflamed Lips Periodontal Disease Abscessed	Historical Issues/ Medications: <u>none</u>										
6. Legs & Paws <input checked="" type="checkbox"/> Appears Normal Nail Problems Other: _____ Joint Problems Lameness	Current Diet: <u>1-2 handful hay SID-BID, alfalfa pellets, fresh veg daily</u>										
7. Heart <input checked="" type="checkbox"/> Appears Normal Slow Murmur Fast Irregular	Examination: <u>160</u> <u>5/0</u> HR <u>RR</u> <u>sinus</u> <u>NO arrhythmias or murmurs</u> <u>Secured</u> <u>BCS</u> <u>good</u> <u>limp</u> <u>clean</u> <u>feet</u> <u>OK</u> , <u>well-furred</u> <u>BARH</u> <u>MM</u> <u>pit</u> <u>moist</u> <u>CT</u> <u>sec</u> . <u>Abd</u> - <u>no</u> <u>masses</u> <u>palpated</u> . <u>Testicles</u> <u>OK</u> <u>very</u> <u>brief</u> <u>exam</u> - <u>normal</u> . <u>(AIP)</u> <u>Appears</u> <u>healthy</u> - <u>Rev</u> <u>1 yr</u> <u>or</u> <u>per</u> <u>↑ hay</u> .										
8. Lungs <input checked="" type="checkbox"/> Appears Normal Abnormal Sound Rapid Respiration Coughing Congestion Dyspnea	10/27/17 <u>exam</u> <u>Brief</u> <u>test</u> - <u>scuffle</u> <u>in</u> <u>exp</u> <u>er</u> <u>al</u> <u>Leo</u> <u>→</u> <u>appears</u> <u>to</u> <u>have</u> <u>no</u> <u>lesions</u> <u>BARH</u> . <u>(AIP)</u> - <u>Run</u> <u>in</u> <u>per</u> <u>by</u> <u>himself</u> <u>off</u> <u>Janet</u> <u>play</u> <u>overall</u>										
9. Abdomen <input checked="" type="checkbox"/> Appears Normal Enlarged Organs Fluid Abnormal Mass Tense/Painful Swollen	Doctor: <u>Janet</u> Doctor's name, DVM Need: _____ In: _____ Days										
10. Gastrointestinal System <input checked="" type="checkbox"/> Appears Normal Stasis/ Impaction Anorexia Abnormal Feces Parasites	<table border="1"> <thead> <tr> <th>DIAGNOSIS OR PROBLEMS</th> <th>PROGNOSIS</th> <th>DIFFERENTIAL DIAGNOSIS</th> <th>PLAN</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td><u>Rev 1 yr or per</u></td> </tr> </tbody> </table>			DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN				<u>Rev 1 yr or per</u>
DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN								
			<u>Rev 1 yr or per</u>								
11. Urogenital System <input checked="" type="checkbox"/> Appears Normal Mammary Tumors Abnormal Testicles Abnormal Urination Genital Discharge	Today's Date: <u>5/24/17</u> Chart #: <u>101</u> Species/ Breed: <u>Rabbit / NZW</u> DOB: <u>5/7/14</u> Pet's Name: <u>101 - TEX</u> Last Name: _____ Color: <u>white</u> Sex: <u>MI</u>										
12. Weight <input checked="" type="checkbox"/> Normal <u>4.68</u> <u>Obese</u> Heavy By: _____ Thin By: _____											

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Tuesday, October 25, 2016 10:53 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Timothy Hay Mats

Thanks [REDACTED] For Peter rabbit, if he can have one on the floor. We will see how he does.

It would be great if all the rabbits had mats, but the rest of them don't need one on the floor. It can be hung up on the bar or something so they could grab it. Like extra enrichment. Could remove keys or other hanging stuff so they get more variety. Also Peter could have one hanging if there is room.

We should be up to all of the rabbits getting 3 handfuls/ day of hay daily, if that could be confirmed. Also the Oxbow hay looks really good. Much softer and less stems/ heads. I'd recommend to buy the timothy from Oxbow as well.

Thanks,
Leslie

From: [REDACTED]
Sent: Tuesday, October 25, 2016 10:50 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>
Cc: [REDACTED]
Subject: Timothy Hay Mats

Hi Leslie,

The Timothy hay mats arrived today for the rabbits. Would you like for ACS to put them in all of the cages or just for Peter?

Thanks,

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Wednesday, September 28, 2016 11:51 AM
To: [REDACTED]
Cc: Graff, Jaimie; [REDACTED]
Subject: RE: AHR# 16132- update 092816- increase hay again and plan

Hi, All rabbits were eating hay this morning. That is good to see. [REDACTED] and I checked Thumper again. He appears to be losing less fur, does not have alopecia, and is active and bright. Weight appears steady.

A: Appears to have had heavy shed.

P: Continue plan to increase hay. Currently getting hay morning and afternoon.

1. 3rd week (This week - Sept 26) offer 2 handfuls of hay morning and afternoon. During weekend, give 3 handfuls in the morning.
2. 4th week- week of Oct 3- offer 3 handfuls hay morning and 2 in afternoon. During weekend, give 3 handfuls hay in the morning.
3. We will need more hay.

Thanks,
Leslie

From: Jarrell, Leslie
Sent: Monday, September 12, 2016 10:22 AM
To: [REDACTED]
[REDACTED]
[REDACTED]

Subject: RE: AHR# 16132- increase hay please respond

Thanks [REDACTED] Will let you know how it goes!
Thanks,
Leslie

From: Klinefelter, Gary
Sent: Monday, September 12, 2016 10:16 AM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>; [REDACTED]
[REDACTED]
[REDACTED]

Subject: RE: AHR# 16132- increase hay please respond

Sounds good.
We all need a little extra lovin as we age

From: Jarrell, Leslie
Sent: Monday, September 12, 2016 10:14 AM
To: [REDACTED]

Subject: RE: AHR# 16132- increase hay please respond

Hi [REDACTED]
[REDACTED] and I examined Thumper this morning. [REDACTED] reported that Thumper is eating well, defecating normally, has not had weight loss or ambulation issues. Thumper is 8.5 years old.

O: Weight appears steady, consistent with his regular body weight. Thumper is bright, alert, responsive and hydrated. No lameness or reluctance to hop. He is a personable and social rabbit. No obvious lesions or masses on physical exam. Hind feet appear furred. Did not do oral exam as he often resists. He is losing a large amount of fur, especially in comparison to all the other rabbits including Peter, who is the same age. He has some spots which appear slightly thin but no obvious alopecia.

A: DDX; open. Suspect related to seasonal fur loss and is having a very heavy shed. Or potentially he is having issues grooming- Although the coat is very clean. Differentials; open.

P: Since Thumper has not had weight loss, behavioral changes or ambulation issues, and appears to be eating well and defecating normally, recommend;

1. Increase brushing and remove all hair that is shed from cage so he doesn't eat it all.
2. Increase hay offered. Since all rabbits get one handful hay/ day, recommend to increase hay for all rabbits.
3. Plan for all rabbits; Offer 1 handful hay twice a day for 1 week. During the weekend, give 2 handfuls in the morning.
 - a. Next week (week of Sept 19); offer 2 handful hay in morning and 1 handful afternoon for a week. During weekend, give 3 handfuls in the morning
 - b. 3rd week (week of Sept 26) offer 2 handfuls of hay morning and afternoon. During weekend, give 3 handfuls in the morning. Continue this plan.
 - c. We may need more hay.
4. For Thumper- recheck 1 week or earlier. This was a good catch by [REDACTED] Hopefully Thumper is just having a very heavy shed.

Please let me know if this plan works for you.

Thanks,
Leslie

From: Dunn, Jenelle N.
Sent: Monday, September 12, 2016 8:54 AM
To: [REDACTED]

Subject: AHR# 16132

Number: 16132
Date Found: 09/12/16
Time Found: 8:00am

Found by: [REDACTED]
Room: A486B
Investigator: [REDACTED]
LAPR#: 09-03-002
Species/Strain: Rabbit/NZW
Sex: male
DOB: 02/05/08
Date Received: 09/06/09
Animal ID/Cage: 24
Dull coat/unthrifty
Losing a lot of fur

[REDACTED]
L.L. Brooks Enterprises
Contractor for U.S.E.P.A
[REDACTED]

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Tuesday, July 19, 2016 11:19 AM
To: [REDACTED]
Cc: [REDACTED]

Subject: RE: Rabbit Exams (6)- part 2

Follow Up Flag: Follow up
Flag Status: Flagged

[REDACTED] and I examined rabbits on 5/2/16 (Leo, Baby Girl and Leo) and 5/24/16 (Dixie, Oopsie and Daisy). I did not pursue oral exams.

- Rabbit 105 Trixie DOB 5/7/14. Did well for exam. BCS 2.5 on a scale of 1 to 5, where 2.5 is ideal. Weight 4.86 kg. Weight in 2015 was 4.68 kg.
- Rabbit 102, Leo, DOB 5/7/14, Did well for exam. BCS 2.5 on scale of 1 to 5, where 2.5 is ideal. Weight 4.36 kg. Weight in 2015 was 4.20 kg.
- Rabbit 30, Baby Girl, DOB 2/24/08. Did very well for exam. Weight 4.18 kg. Monitor.
 - Weight 2/1/13= 4.46 kg
 - Weight 3/25/15= 4.1 kg
 - So she has not lost weight since last year. However, will need to keep an eye on her.
- Rabbit 106, Dixie, DOB 5/7/14. Did well for exam. Weight 4.04 kg. Weight last year was 3.94 kg.
- Rabbit 107, Oopsie, Male intact rabbit, DOB 9/2/15, Weight 3.84 kg. Did well for exam. Slight mats on hind feet, watch for issues.
- Rabbit 108, Daisy, Female intact rabbit, DOB 9/2/15. Weight 3.30 kg. Very nervous, unable to get thorough exam due to temperament. Continue with socialization.

I would like to post the rabbits' weight history in the suite or room. [REDACTED] has made a chart.

Thanks,
Leslie

From: Jarrell, Leslie
Sent: Friday, March 25, 2016 12:44 PM
To: [REDACTED]
Cc: [REDACTED]

Graff, Jaimie <Graff.Jaimie@epa.gov>

Subject: Rabbit Exams (4) and UV light - part 1

[REDACTED] and I examined 4 of the rabbits on 3/9/16. The rabbits did pretty well with exams, but I wasn't able to do oral exams on them. Hopefully the younger ones will eventually tolerate it. I will follow up with the other 6 rabbits' exams over the next month.

As a caveat- although dental exams using otoscope are useful at finding gross pathology of the teeth, current standards for dental care in rabbits involve use of skull x-rays. Earlier dental changes can be found on x-rays than by visual exam, and intervention can be started to delay clinical consequences due to pain and weight loss.

- Rabbit #24 Thumper DOB 2/25/08. Did well for exam. BCS 1.75 on a scale of 1 to 5, where 2.5 is ideal. This is a little lower than last year. [REDACTED] increased the pellets for Thumper last year, but Thumper is at 3.42 kg. He was

around 3.44 kg last year this time. However at least he has not lost any significant weight. I would like to see if we can get his body condition up a little. This makes me concerned about his teeth. He is 8 years old.

- Rabbit #25 Peter DOB 2/25/08. Did well with exam but didn't attempt to examine teeth. He had a number of mats which we have started to clip. I am thinking that he may not be able to groom as well as previously. Peter's weight was 3.96 kg. About a year ago, he was at 4.38 kg. This is significant weight loss. His body condition score is around 1.75 out of 5, where 2.5 is ideal and 1 is emaciated. His is 8 years old now.
 - We have access to CBC/ Chemistry panels for evaluating how his kidneys/ liver etc are doing, which I may like to pursue this year if that is OK with you. Most likely, I would think his teeth are an issue, but we don't have radiographs to evaluate him.
 - We will need to keep a close eye on his weight this year. Also keep working on his coat.
- Rabbit #101 Tex. DOB 5/17/14. Did well with exam. Had some mats, which we were able to clip. I'm not sure why he isn't grooming as well as expected. Plan to work on getting him to tolerate oral exam. And possibly more clipping. Weight 4.46 kg, around 1 year ago was 4.14 kg. Good weight.
- Rabbit #104 Jasper- DOB 5/17/14. Very nervous. Still did not tolerate exam very well. Feet well furred. Weight 4.68 kg, around 1 year ago was 4.14 kg. Good weight. Work on tolerating more handling.

Note; Last year I emailed about research on vitamin D in rabbits. This is the abstract from 2014 off PUBMED. Lab rabbits in particular don't get UV light exposure, and these rabbits are older than most NZW are usually kept. I would like to look into possibilities for checking their vitamin D levels over time, and potentially getting some kind of full spectrum lighting. Low levels of vitamin D have had implications in rabbits for; bone issues such as arthritis, and also dental issues. We have seen some level of these issues in a number of rabbits.

Thanks,
Leslie

Am J Vet Res. 2014 Apr;75(4):380-4. doi: 10.2460/ajvr.75.4.380.

Effects of ultraviolet radiation produced from artificial lights on serum 25-hydroxyvitamin D concentration in captive domestic rabbits (*Oryctolagus cuniculi*).

Emerson JA¹, Whittington JK, Allender MC, Mitchell MA.

Author information

- ¹Department of Veterinary Clinical Sciences, College of Veterinary Medicine, University of Illinois, Urbana, IL 61802.

Abstract

OBJECTIVE:

To determine the effects of UVB radiation produced by artificial lights on serum 25-hydroxyvitamin D concentrations in domestic rabbits (*Oryctolagus cuniculi*).

ANIMALS:

9 juvenile domestic rabbits.

PROCEDURES:

After an acclimation period, rabbits were anesthetized with isoflurane, and an initial blood sample was collected for determination of serum 25-hydroxyvitamin D concentration. Rabbits were randomly assigned to receive 12-hour exposure to UVB radiation produced by 2 compact fluorescent lights daily ($n = 5$) or no UVB supplementation (4) commencing on day 1. The UVB radiation emitted into the cage was measured at 9 points approximately 34 cm from the surface of the UVB light sources (representing the position of the rabbits in the cage) after 10 hours of exposure on days 1, 8, and 14. On day 14, another blood sample was collected from anesthetized rabbits for determination of serum 25-hydroxyvitamin D concentration.

RESULTS:

The UVB radiation level was 8.3 to 58.1 $\mu\text{W}/\text{cm}^2$ for the exposed rabbits and consistently $< 0.001 \mu\text{W}/\text{cm}^2$ for the control rabbits. Mean \pm SD serum 25-hydroxyvitamin D concentrations in the rabbits that were or were not provided supplemental UVB radiation for 14 days differed significantly ($66.4 \pm 14.3 \text{ nmol/L}$ and $31.7 \pm 9.9 \text{ nmol/L}$, respectively).

CONCLUSIONS AND CLINICAL RELEVANCE:

Exposure to UVB radiation produced by artificial light significantly increased serum 25-hydroxyvitamin D concentration in juvenile rabbits. Because vitamin D is an essential hormone in vertebrates, these findings suggested that the provision of supplemental UVB radiation to captive rabbits may be important.

Jarrell, Leslie

Tex

From: Jarrell, Leslie
Sent: Friday, March 25, 2016 12:44 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie
Subject: Rabbit Exams (4) and UV light - part 1

[REDACTED] and I examined 4 of the rabbits on 3/9/16. The rabbits did pretty well with exams, but I wasn't able to do oral exams on them. Hopefully the younger ones will eventually tolerate it. I will follow up with the other 6 rabbits' exams over the next month.

As a caveat- although dental exams using otoscope are useful at finding gross pathology of the teeth, current standards for dental care in rabbits involve use of skull x-rays. Earlier dental changes can be found on x-rays than by visual exam, and intervention can be started to delay clinical consequences due to pain and weight loss.

- Rabbit #24 Thumper DOB 2/25/08. Did well for exam. BCS 1.75 on a scale of 1 to 5, where 2.5 is ideal. This is a little lower than last year. [REDACTED] increased the pellets for Thumper last year, but Thumper is at 3.42 kg. He was around 3.44 kg last year this time. However at least he has not lost any significant weight. I would like to see if we can get his body condition up a little. This makes me concerned about his teeth. He is 8 years old.
- Rabbit #25 Peter DOB 2/25/08. Did well with exam but didn't attempt to examine teeth. He had a number of mats which we have started to clip. I am thinking that he may not be able to groom as well as previously. Peter's weight was 3.96 kg. About a year ago, he was at 4.38 kg. This is significant weight loss. His body condition score is around 1.75 out of 5, where 2.5 is ideal and 1 is emaciated. His is 8 years old now.
 - We have access to CBC/ Chemistry panels for evaluating how his kidneys/ liver etc are doing, which I may like to pursue this year if that is OK with you. Most likely, I would think his teeth are an issue, but we don't have radiographs to evaluate him.
 - We will need to keep a close eye on his weight this year. Also keep working on his coat.
- Rabbit #101 Tex. DOB 5/17/14. Did well with exam. Had some mats, which we were able to clip. I'm not sure why he isn't grooming as well as expected. Plan to work on getting him to tolerate oral exam. And possibly more clipping. Weight 4.46 kg, around 1 year ago was 4.14 kg. Good weight.
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Thanks,
Leslie

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SMALL MAMMAL PATIENT EXAMINATION REPORT CARD

1. Coat/Fur & Skin
Appears normal Dull/Dry
Scaly Scabs
Infection Shedding
Matted Few Tumors
Itchy Hair Loss

2. Eyes
Appears Normal Discharge
Inflamed Infection
Psych Deformities Ulcer: L R
Cataract: L R

3. Ears
Appears Normal Inflamed: L R
Dirty Mites
Tumor: L R Infected
Excessive Hair Painful

4. Nose
Appears Normal Nasal Discharge
Other

5. Mouth, Teeth, Gums NE
Appears Normal Broken Teeth
Tartar Buildup Tumors
Overgrown Incisors Inflamed Lips
Overgrown Molars Periodontal Disease
Overgrown roots Abscessed

6. Legs & Paws
Appears Normal Joint Problems
Nail Problems Lameness
Other

7. Heart
Appears Normal 220
Slow Fast
Murmur Irregular

8. Lungs
Appears Normal 120
Abnormal Sound Congestion
Rapid Respiration Dyspnea
Smith

9. Abdomen
Appears Normal Abnormal Mass
Enlarged Organs Tense/Painful
Fluid Swollen

10. Gastrointestinal System
Appears Normal Abnormal Feces
Stasis Impaction Parasites
Anorexia

11. Urogenital System
Appears Normal Abnormal Urination
Mammary Tumors Genital Discharge
Abnormal Testicles

12. Weight OK wnl
Normal Obese
Heavy By Thin By

TESTS NEEDED:
☐ Annual Blood Work
☐ Urinalysis
☐ Fecal Examination
☐ Spay / Neuter
☐ Microchip
☐ Skin Scraping
☐ Fungal Culture
☐ Ear Cytology

RECOMMENDATIONS:
Cage Change: _____
Bedding Change: Change Type
Diet Change: Please see handout

Tech Initials: _____
Temp: _____
Weight: 4.46 kg

Appetite: normal increased / decreased
Water Intake: normal increased / decreased
Coughing: No / Yes, Frequency: _____
Sneezing: No / Yes, Frequency: _____
Urination: normal increased/decreased
Attitude: normal / abnormal
Feces: normal / abnormal

Presented For: Tex

Historical Issues/ Medications: none

Current Diet: Hay - some - daily, alfalfa based
pellets, veg EOD

Examination:
BART
H2 220 R2 120
Stomach soft
some mats
wt 4.46 kg
~ 1 yr ago was 4.14 kg OK

Doctor: Jamell Doctor's name, DVM Need: _____ In: _____ Days

DIAGNOSIS OR PROBLEMS	PROGNOSIS	DIFFERENTIAL DIAGNOSIS	PLAN
<u>work on accepting</u> <u>oral exam</u>			<u>Monitor</u>

Today's Date: 3/8/16 Chart #: _____ Species/ Breed: Rabbit NZW DOB: _____
Pet's Name: Tex Last Name: _____ Color: white Sex: MI

#167

Jarrell, Leslie

From: Jarrell, Leslie
Sent: Thursday, February 25, 2016 2:08 PM
To: [REDACTED]
Cc: [REDACTED] Graff, Jaimie
Subject: RE: Rabbit exams

Thank you!
Leslie

From: [REDACTED]
Sent: Thursday, February 25, 2016 2:08 PM
To: Jarrell, Leslie <Jarrell.Leslie@epa.gov>; [REDACTED]
Cc: [REDACTED]
[REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>
Subject: RE: Rabbit exams

That's fine

From: Jarrell, Leslie
Sent: Thursday, February 25, 2016 2:07 PM
To: [REDACTED]
Cc: [REDACTED]
[REDACTED] Graff, Jaimie <Graff.Jaimie@epa.gov>
Subject: Rabbit exams

Hi [REDACTED]

It's that time of year for rabbit exams. I've tentatively scheduled March 8 at 1- 2 pm, and March 9 from 9:30- 10:30 AM, and March 16 from 9:30- 10:30 AM for their annual exams. Would that work ok for your schedules?

Thanks,
Leslie

Master Problem List		
Exams or Problem/Diagnoses	Open	Closed
1. work on accepting oral exam tolerating	3/8/16	
2. Mild pododermatitis Renamed to moderate	5/24/18	2
3. Moderate pododermatitis	7/19/18	12/28/18
4. Mild weight loss - suspect dental dx	7/19/18	
5. Mod pododermatitis renamed to Mild pododermatitis	12/28/18	
6. Not eating 'as well' - Monitor Renamed to "laxit not working" closed	12/27/18	1/3/19

[illegible]

Patient Information	Alerts	Wellness Exam
PI [REDACTED] Patient <u>1701 - Tex</u> Sex <u>NW</u> Breed <u>MI</u> Color <u>White</u> DOB <u>5/03/14</u>		Semiannual

[illegible][illegible]